



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State’s measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students’ scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student’s ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 12851836
SAU: Southern Aroostook CSD
School: So Aroostook CSD School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

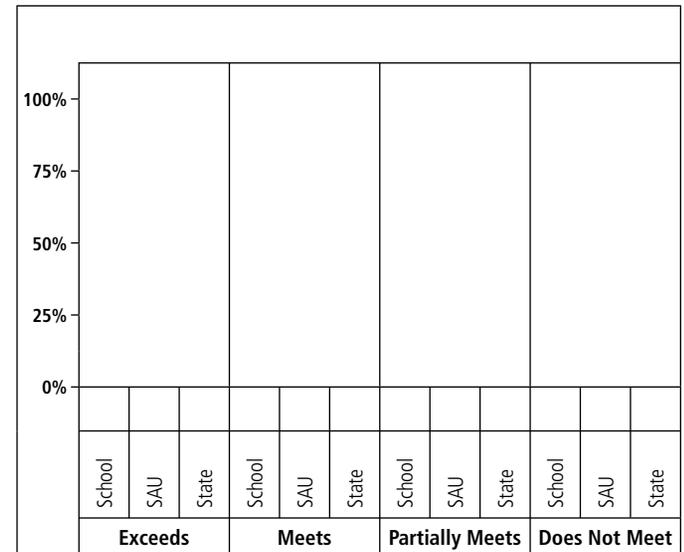
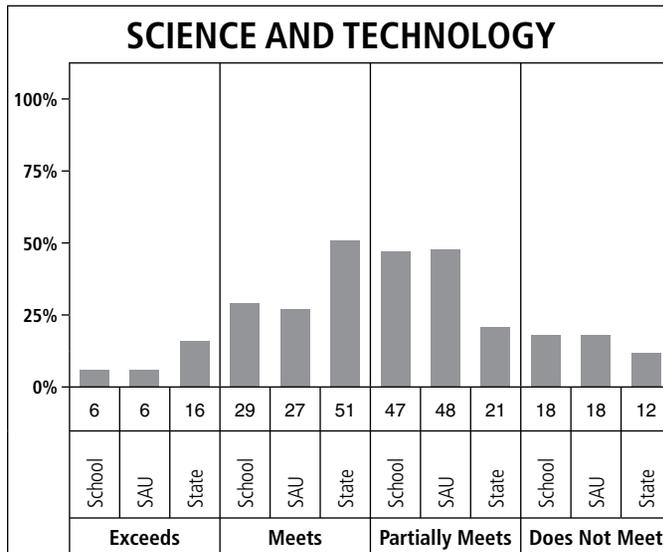
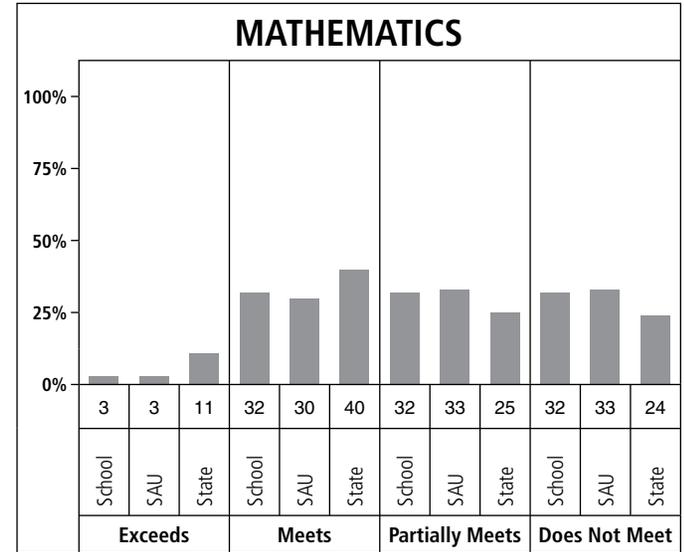
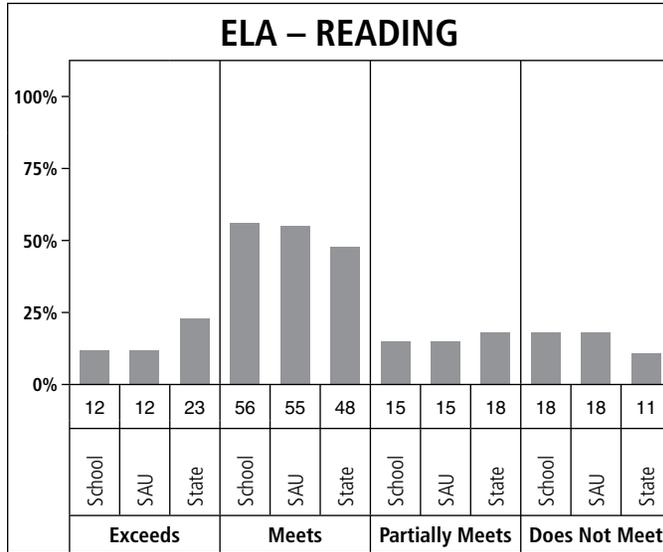
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SUMMARY OF SCORES

Test Date: March 2008
 Grade: 8
 SAU: Southern Aroostook CSD
 School: So Aroostook CSD School

Summary of School, SAU, and State Scores			
Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	836	835	845
2006–2007	843	843	847
2007–2008	845	845	849
Cum. Avg.*	841	841	847
Mathematics			
2005–2006	833	832	840
2006–2007	837	837	842
2007–2008	836	835	841
Cum. Avg.*	835	834	841
Science & Technology			
2005–2006	841	841	846
2006–2007	842	842	847
2007–2008	840	839	847
Cum. Avg.*	841	841	847



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.



SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 8
 SAU: Southern Aroostook CSD
 School: So Aroostook CSD School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																													
	School		SAU		State		ELA-Reading						Mathematics						Science and Technology						School			SAU			State					
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%						
Total number of students	34	100	33	100	15274	100	34	100	33	100	15102	99	34	100	33	100	15097	99	34	100	33	100	15080	99												
Ethnicity																																				
African American/Black	0	0	0	0	368	2	0	0	0	0	356	97	0	0	0	0	360	98	0	0	0	0	356	97												
American Indian or Native Alaskan	2	6	2	6	120	1	2	100	2	100	117	98	2	100	2	100	117	98	2	100	2	100	117	98												
Asian or Pacific Islander	0	0	0	0	186	1	0	0	0	0	181	97	0	0	0	0	182	98	0	0	0	0	182	98												
Hispanic	1	3	1	3	139	1	1	100	1	100	136	98	1	100	1	100	136	98	1	100	1	100	136	98												
Caucasian/White	31	91	30	91	14461	95	31	100	30	100	14312	99	31	100	30	100	14302	99	31	100	30	100	14289	99												
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Identified disability	7	21	6	18	2508	16	7	100	6	100	2446	98	7	100	6	100	2441	98	7	100	6	100	2431	98												
Current LEP	0	0	0	0	327	2	0	0	0	0	316	97	0	0	0	0	322	99	0	0	0	0	322	99												
Economically disadvantaged	21	62	21	64	5420	35	21	100	21	100	5329	99	21	100	21	100	5324	99	21	100	21	100	5313	98												
Migrant	1	3	1	3	7	0	1	100	1	100	7	100	1	100	1	100	7	100	1	100	1	100	7	100												

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology						School			SAU			State		
	School		SAU		State		School		SAU		State		School		SAU		State		n	%	n	%	n	%			
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%									
Participation without accommodations	26	76	26	79	12703	83	26	76	26	79	12694	83	26	76	26	79	12710	83									
Identified disability (PET/IEP)	0	0	0	0	437	3	0	0	0	0	421	3	0	0	0	0	445	4									
LEP	0	0	0	0	172	1	0	0	0	0	172	1	0	0	0	0	173	1									
504 plan	0	0	0	0	229	2	0	0	0	0	231	2	0	0	0	0	230	2									
Participation with accommodations	8	24	7	21	2221	15	8	24	7	21	2227	15	8	24	7	21	2197	14									
Identified disability (PET/IEP)	7	88	6	86	1832	82	7	88	6	86	1844	83	7	88	6	86	1813	83									
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6									
504 plan	0	0	0	0	68	3	0	0	0	0	66	3	0	0	0	0	66	3									
Other	1	13	1	14	213	10	1	13	1	14	202	9	1	13	1	14	204	9									
Participation through alternate assessment (PAAP)	0	0	0	0	177	1	0	0	0	0	176	1	0	0	0	0	173	1									
Identified disability (PET/IEP)	0	0	0	0	177	100	0	0	0	0	176	100	0	0	0	0	173	100									
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4									
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																					
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0									
Non-participation – other	0	0	0	0	140	1	0	0	0	0	143	1	0	0	0	0	160	1									

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.



ELA-READING RESULTS

Test Date:	March 2008
Grade:	8
SAU:	Southern Aroostook CSD
School:	So Aroostook CSD School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	0	0	0	0	2695	17
	2006-2007	4	13	4	13	2407	16
	2007-2008	4	12	4	12	3428	23
	Cum. Total*	8	8	8	8	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	11	28	10	26	6830	42
	2006-2007	14	45	14	45	7494	49
	2007-2008	19	56	18	55	7179	48
	Cum. Total*	44	42	42	41	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	15	38	15	38	3741	23
	2006-2007	4	13	4	13	3628	24
	2007-2008	5	15	5	15	2706	18
	Cum. Total*	24	23	24	23	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	14	35	14	36	3003	18
	2006-2007	9	29	9	29	1810	12
	2007-2008	6	18	6	18	1611	11
	Cum. Total*	29	28	29	28	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	34.2	61.1	34.2	61.1	36.9	65.9
Literary Text	28	50	16.4	58.6	16.4	58.6	18.3	65.4
Informational Text	28	50	17.8	63.6	17.8	63.6	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

*Percentages are calculated by dividing the cumulative total of the number of students in the achievement level by the cumulative total of the number of students tested.



ELA-READING RESULTS (CONTINUED)

Test Date: March 2008
Grade: 8
SAU: Southern Aroostook CSD
School: So Aroostook CSD School

REPORTING CATEGORIES	School										SAU					State						
	Tested		E		M		P		D		Mean Scaled Score	Tested		E		M		P		D		Mean Scaled Score
	N	%	N	%	N	%	N	%	N	%		N	%	N	%	N	%	N	%	N	%	
All Students	34	4	12	19	56	5	15	6	18	845	33	12	55	15	18	845	14924	23	48	18	11	849
Ethnicity																						
African American/Black	0										0						348	11	38	22	29	840
American Indian or Native Alaskan	2										2						117	9	43	29	19	842
Asian or Pacific Islander	0										0						179	32	39	18	11	852
Hispanic	1										1						131	18	38	27	17	846
Caucasian/White	31	4	13	17	55	4	13	6	19	845	30	13	53	13	20	845	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	7	0	0	2	29	0	0	5	71	830	6	0	17	0	83	827	2269	3	24	32	42	833
No	27	4	15	17	63	5	19	1	4	849	27	15	63	19	4	849	12655	27	52	16	5	852
Current LEP																						
Yes	0										0						308	8	30	27	34	837
No	34	4	12	19	56	5	15	6	18	845	33	12	55	15	18	845	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	21	1	5	10	48	5	24	5	24	842	21	5	48	24	24	842	5222	12	44	25	19	843
No	13	3	23	9	69	0	0	1	8	850	12	25	67	0	8	851	9702	29	50	14	7	853
Migrant																						
Yes	1										1						7	0	86	0	14	850
No	33	4	12	18	55	5	15	6	18	845	32	13	53	16	19	845	14917	23	48	18	11	849
Gender																						
Female	13	3	23	7	54	2	15	1	8	850	13	23	54	15	8	850	7198	30	48	15	7	853
Male	21	1	5	12	57	3	14	5	24	842	20	5	55	15	25	842	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						807	9	41	32	18	842
No	34	4	12	19	56	5	15	6	18	845	33	12	55	15	18	845	14117	24	49	17	10	850
Gifted/talented program																						
Yes	0										0						592	71	28	1	0	867
No	34	4	12	19	56	5	15	6	18	845	33	12	55	15	18	845	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Southern Aroostook CSD
School: So Aroostook CSD School

QUESTIONNAIRE ITEMS	School										SAU					State						
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E		M		P		D	Mean Scaled Score			
	%	N	%	N	%	N	%	N	%	%	%	%	%	%	%	%	%	%	%			
How much homework do you do on school nights?																						
A. none	32	1	9	5	45	2	18	3	27	840	33	9	45	18	27	840	9	10	39	24	26	841
B. less than one hour	44	2	13	11	73	1	7	1	7	851	45	13	73	7	7	851	46	20	50	20	11	849
C. one to two hours	18	1	17	1	17	2	33	2	33	837	15	20	0	40	40	836	41	28	49	15	7	852
D. more than two hours	6	0	0	2	100	0	0	0	0	849	6	0	100	0	0	849	5	28	44	15	12	850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	29	3	30	6	60	0	0	1	10	852	30	30	60	0	10	852	33	31	48	14	7	853
B. They match some of what I have learned.	56	1	5	9	47	5	26	4	21	841	55	6	44	28	22	841	53	21	51	19	9	849
C. They match just a little of what I have learned.	9	0	0	2	67	0	0	1	33	843	9	0	67	0	33	843	11	14	41	25	20	844
D. There is no match.	6	0	0	2	100	0	0	0	0	850	6	0	100	0	0	850	3	6	34	26	35	836
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	21	1	14	6	86	0	0	0	0	855	21	14	86	0	0	855	31	42	44	8	6	857
B. good	53	3	17	9	50	3	17	3	17	846	55	17	50	17	17	846	49	19	54	19	9	849
C. fair	21	0	0	2	29	2	29	3	43	833	18	0	17	33	50	831	18	5	42	31	22	840
D. poor	6	0	0	2	100	0	0	0	0	847	6	0	100	0	0	847	2	4	29	32	34	835
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	15	0	0	2	40	2	40	1	20	837	16	0	40	40	20	837	15	16	44	22	18	845
B. about the same as my regular schoolwork	76	3	12	15	60	2	8	5	20	846	75	13	58	8	21	846	65	23	49	18	9	850
C. easier than my regular schoolwork	9	1	33	1	33	1	33	0	0	849	9	33	33	33	0	849	19	30	49	14	8	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	32	0	0	7	64	2	18	2	18	842	33	0	64	18	18	842	9	8	33	28	31	838
B. Most of the passages were about the same as what I normally read.	44	1	7	9	60	2	13	3	20	844	45	7	60	13	20	844	53	17	51	21	11	848
C. Most of the passages were easier than what I normally read.	24	3	38	3	38	1	13	1	13	852	21	43	29	14	14	853	38	36	48	11	5	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	50	2	12	6	35	4	24	5	29	841	48	13	31	25	31	840	43	23	48	19	10	849
B. I tried about the same as I do on my regular schoolwork.	47	2	13	13	81	0	0	1	6	851	48	13	81	0	6	851	51	25	49	17	9	851
C. I did not try as hard on this test as I do on my regular schoolwork.	3	0	0	0	0	1	100	0	0	832	3	0	0	100	0	832	6	9	43	24	23	842
How much time do you spend reading at home each day?																						
A. more than one hour	12	1	25	2	50	0	0	1	25	853	12	25	50	0	25	853	18	31	47	13	9	852
B. 20 minutes to an hour	35	2	17	7	58	1	8	2	17	846	36	17	58	8	17	846	41	28	49	15	7	852
C. less than 20 minutes	9	1	33	1	33	0	0	1	33	846	9	33	33	0	33	846	13	20	49	18	12	848
D. I rarely read at home.	44	0	0	9	60	4	27	2	13	842	42	0	57	29	14	842	28	12	47	26	16	844
How do you feel about the following statement? <i>"My knowledge of reading will be useful to me as an adult."</i>																						
A. strongly agree	44	2	13	8	53	2	13	3	20	847	45	13	53	13	20	847	43	31	48	14	7	853
B. agree	41	2	14	8	57	2	14	2	14	844	39	15	54	15	15	844	48	18	50	20	12	848
C. disagree	6	0	0	1	50	0	0	1	50	832	6	0	50	0	50	832	6	11	43	24	21	843
D. strongly disagree	9	0	0	2	67	1	33	0	0	845	9	0	67	33	0	845	2	6	36	32	26	839
Optional school/SAU question																						
A.	0										0											
B.	50	0	0	1	100	0	0	0	0	842	50	0	100	0	0	842						
C.	0										0											
D.	50	0	0	1	100	0	0	0	0	858	50	0	100	0	0	858						



MATHEMATICS RESULTS

Test Date: March 2008
 Grade: 8
 SAU: Southern Aroostook CSD
 School: So Aroostook CSD School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL							
		School		SAU		State			
		N	%	N	%	N	%		
The quality of a student's work at each achievement level reflects progress in attaining Maine's Grade Level Expectations in mathematics.									
Exceeds the Standards – The student's work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	1	3	1	3	1714	11		
	2006-2007	1	3	1	3	1952	13		
	2007-2008	1	3	1	3	1657	11		
	Cum. Total*	3	3	3	3	5323	11		
Meets the Standards – The student's work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student's responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student's work may contain minor errors. (scaled score 841–860)	2005-2006	9	23	8	21	5533	34		
	2006-2007	12	39	12	39	5870	38		
	2007-2008	11	32	10	30	5956	40		
	Cum. Total*	32	30	30	29	17359	37		
Partially Meets the Standards – The student's work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	11	28	11	28	4764	29		
	2006-2007	9	29	9	29	3982	26		
	2007-2008	11	32	11	33	3729	25		
	Cum. Total*	31	30	31	30	12475	27		
Does Not Meet the Standards – The student's work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	19	48	19	49	4251	26		
	2006-2007	9	29	9	29	3534	23		
	2007-2008	11	32	11	33	3579	24		
	Cum. Total*	39	37	39	38	11364	24		

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	7.6	47.5	7.4	46.3	8.4	52.5
Cluster 2: Shape and Size	14	25	4.4	31.4	4.4	31.4	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	4.0	50.0	3.9	48.8	4.6	57.5
Cluster 4: Patterns	18	32	7.9	43.9	7.7	42.8	8.9	49.4

- Cluster 1: Numbers and Operations**
 - A. Numbers and Number Sense
 - B. Computation
 - I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
 - E. Geometry
 - F. Measurement
- Cluster 3: Mathematical Decision Making**
 - C. Data Analysis and Statistics
 - D. Probability
- Cluster 4: Patterns**
 - G. Patterns, Relations, and Functions
 - H. Algebra Concepts
 - K. Mathematical Communication

Each content standard in the clusters above is defined in Maine's 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

*Percentages are calculated by dividing the cumulative total of the number of students in the achievement level by the cumulative total of the number of students tested.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
Grade: 8
SAU: Southern Aroostook CSD
School: So Aroostook CSD School

REPORTING CATEGORIES	School										SAU					State							
	Tested		E		M		P		D		Mean Scaled Score	Tested		E		M		P		D		Mean Scaled Score	
	N	%	N	%	N	%	N	%	N	%		N	%	N	%	N	%	N	%	N	%		
All Students	34		1	3	11	32	11	32	11	32	836	33	3	30	33	33	835	14921	11	40	25	24	841
Ethnicity																							
African American/Black	0										0							352	2	23	23	52	828
American Indian or Native Alaskan	2										2							117	5	22	33	39	832
Asian or Pacific Islander	0										0							181	24	42	20	14	848
Hispanic	1										1							131	7	34	26	33	836
Caucasian/White	31		1	3	9	29	10	32	11	35	835	30	3	27	33	37	834	14140	11	41	25	23	841
Not Reported	0										0							0					
Identified disability																							
Yes	7		0	0	4	57	0	0	3	43	836	6	0	50	0	50	832	2265	1	14	22	62	824
No	27		1	4	7	26	11	41	8	30	835	27	4	26	41	30	835	12656	13	45	26	17	844
Current LEP																							
Yes	0										0							315	5	24	20	51	828
No	34		1	3	11	32	11	32	11	32	836	33	3	30	33	33	835	14606	11	40	25	23	841
Economically disadvantaged																							
Yes	21		0	0	5	24	8	38	8	38	832	21	0	24	38	38	832	5217	5	30	29	37	834
No	13		1	8	6	46	3	23	3	23	842	12	8	42	25	25	840	9704	15	45	23	17	845
Migrant																							
Yes	1										1							7	0	43	43	14	838
No	33		1	3	10	30	11	33	11	33	835	32	3	28	34	34	834	14914	11	40	25	24	841
Gender																							
Female	13		1	8	2	15	7	54	3	23	838	13	8	15	54	23	838	7199	11	40	26	23	841
Male	21		0	0	9	43	4	19	8	38	834	20	0	40	20	40	833	7722	11	40	24	25	841
Not Reported	0										0							0					
Title 1A targeted program																							
Yes	0										0							806	3	20	30	47	831
No	34		1	3	11	32	11	32	11	32	836	33	3	30	33	33	835	14115	12	41	25	23	842
Gifted/talented program																							
Yes	0										0							592	58	39	2	1	864
No	34		1	3	11	32	11	32	11	32	836	33	3	30	33	33	835	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 8
 SAU: Southern Aroostook CSD
 School: So Aroostook CSD School

QUESTIONNAIRE ITEMS	School										SAU					State							
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%		
How much homework do you do on school nights?																							
A. none	32	1	9	2	18	2	18	6	55	833	33	9	18	18	55	833	9	5	30	23	41	833	
B. less than one hour	44	0	0	5	33	6	40	4	27	834	45	0	33	40	27	834	46	10	40	26	25	840	
C. one to two hours	18	0	0	3	50	2	33	1	17	843	15	0	40	40	20	839	41	14	42	25	19	843	
D. more than two hours	6	0	0	1	50	1	50	0	0	841	6	0	50	50	0	841	5	14	38	23	24	842	
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																							
A. The questions on the test match what I have learned in mathematics class.	18	1	17	2	33	1	17	2	33	839	18	17	33	17	33	839	30	17	43	22	18	845	
B. They match some of what I have learned.	29	0	0	3	30	3	30	4	40	833	30	0	30	30	40	833	50	10	42	26	22	841	
C. They match just a little of what I have learned.	44	0	0	4	27	6	40	5	33	834	42	0	21	43	36	832	17	6	32	29	33	836	
D. There is no match.	9	0	0	2	67	1	33	0	0	844	9	0	67	33	0	844	4	3	18	25	54	828	
Which of the following best describes how you rate yourself as a student in mathematics?																							
A. very good	18	1	17	3	50	1	17	1	17	850	15	20	40	20	20	848	26	29	46	14	11	851	
B. good	21	0	0	3	43	3	43	1	14	838	21	0	43	43	14	838	45	7	46	27	20	841	
C. fair	53	0	0	3	17	6	33	9	50	828	55	0	17	33	50	828	23	1	26	34	38	833	
D. poor	9	0	0	2	67	1	33	0	0	845	9	0	67	33	0	845	5	1	14	29	57	827	
How difficult was the mathematics part of this test?																							
A. harder than my regular schoolwork	68	0	0	5	22	11	48	7	30	833	70	0	22	48	30	833	34	4	35	28	32	836	
B. about the same as my regular schoolwork	24	0	0	5	63	0	0	3	38	837	21	0	57	0	43	834	52	10	43	26	21	842	
C. easier than my regular schoolwork	9	1	33	1	33	0	0	1	33	851	9	33	33	0	33	851	13	33	40	14	13	852	
How hard did you try on the mathematics part of this test?																							
A. I tried harder on this test than I do on my regular schoolwork.	45	0	0	6	40	6	40	3	20	835	44	0	36	43	21	834	44	10	40	26	25	840	
B. I tried about the same as I do on my regular schoolwork.	55	1	6	5	28	5	28	7	39	837	56	6	28	28	39	837	50	13	42	24	21	843	
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						6	9	27	27	38	835	
How often do you use laptops in mathematics class?																							
A. almost every day	3	0	0	1	100	0	0	0	0	852	3	0	100	0	0	852	9	6	38	27	29	837	
B. two or three days a week	12	0	0	1	25	0	0	3	75	824	9	0	0	0	100	811	16	8	38	27	27	839	
C. two or three times each month	15	0	0	0	0	4	80	1	20	834	15	0	0	80	20	834	28	12	41	27	21	843	
D. never or almost never	71	1	4	9	38	7	29	7	29	837	73	4	38	29	29	837	48	13	40	23	24	842	
How often do you use calculators in mathematics class?																							
A. almost every day	32	1	9	2	18	5	45	3	27	839	33	9	18	45	27	839	38	14	42	23	21	843	
B. two or three times a week	41	0	0	5	36	5	36	4	29	834	42	0	36	36	29	834	33	10	41	26	23	841	
C. two or three times each month	18	0	0	2	33	1	17	3	50	830	15	0	20	20	60	824	18	10	36	27	27	840	
D. never or almost never	9	0	0	2	67	0	0	1	33	840	9	0	67	0	33	840	11	7	34	26	33	836	
How do you feel about the following statement? <i>"My knowledge of mathematics will be useful to me as an adult."</i>																							
A. strongly agree	32	1	9	4	36	3	27	3	27	841	30	10	30	30	30	839	54	14	44	23	18	844	
B. agree	47	0	0	5	31	7	44	4	25	834	48	0	31	44	25	834	38	8	36	27	28	838	
C. disagree	15	0	0	2	40	0	0	3	60	834	15	0	40	0	60	834	6	6	31	28	36	835	
D. strongly disagree	6	0	0	0	0	1	50	1	50	827	6	0	0	50	50	827	2	3	23	25	49	831	
Optional school/SAU question																							
A.	0										0												
B.	50	0	0	0	0	0	0	1	100	820	50	0	0	0	100	820							
C.	0										0												
D.	50	0	0	1	100	0	0	0	0	852	50	0	100	0	0	852							

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
 N = Number



SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 8
SAU: Southern Aroostook CSD
School: So Aroostook CSD School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL							
		School		SAU		State			
		N	%	N	%	N	%		
The quality of a student's work at each achievement level reflects progress in attaining Maine's Grade Span Expectations in science and technology.									
Exceeds the Standards – The student's work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	0	0	0	0	1879	12		
	2006-2007	4	13	4	13	2192	14		
	2007-2008	2	6	2	6	2371	16		
	Cum. Total*	6	6	6	6	6442	14		
Meets the Standards – The student's work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student's responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	20	50	19	49	8604	53		
	2006-2007	12	39	12	39	7916	52		
	2007-2008	10	29	9	27	7630	51		
	Cum. Total*	42	40	40	39	24150	52		
Partially Meets the Standards – The student's work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	9	23	9	23	3618	22		
	2006-2007	8	26	8	26	3340	22		
	2007-2008	16	47	16	48	3175	21		
	Cum. Total*	33	31	33	32	10133	22		
Does Not Meet the Standards – The student's work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	11	28	11	28	2174	13		
	2006-2007	7	23	7	23	1865	12		
	2007-2008	6	18	6	18	1731	12		
	Cum. Total*	24	23	24	23	5770	12		

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	7.6	54.3	7.5	53.6	8.1	57.9
Cluster 2: Physical Sciences	14	25	5.5	39.3	5.4	38.6	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	6.1	43.6	6.0	42.9	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	7.2	51.4	7.2	51.4	8.5	60.7

- Cluster 1: Life Sciences**
 - A. Classifying Life Forms
 - B. Ecology
 - C. Cells
- Cluster 2: Physical Sciences**
 - E. Structure of Matter
 - H. Energy
 - I. Motion
- Cluster 3: Earth and Space Sciences**
 - D. Continuity and Change
 - F. The Earth
 - G. The Universe
- Cluster 4: Nature and Implications of Science**
 - J. Inquiry and Problem Solving
 - K. Scientific Reasoning
 - L. Communication
 - M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine's 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslt/gles.htm>.

*Percentages are calculated by dividing the cumulative total of the number of students in the achievement level by the cumulative total of the number of students tested.



SCIENCE AND TECHNOLOGY RESULTS (CONTINUED)

Test Date: March 2008
Grade: 8
SAU: Southern Aroostook CSD
School: So Aroostook CSD School

REPORTING CATEGORIES	School										SAU					State						
	Tested		E		M		P		D		Mean Scaled Score	Tested		E		M		P		D		Mean Scaled Score
	N	%	N	%	N	%	N	%	N	%		N	%	N	%	N	%	N	%	N	%	
All Students	34	2	6	10	29	16	47	6	18	840	33	6	27	48	18	839	14907	16	51	21	12	847
Ethnicity																						
African American/Black	0										0						349	4	35	26	34	837
American Indian or Native Alaskan	2										2						117	8	40	28	24	840
Asian or Pacific Islander	0										0						181	20	50	15	15	849
Hispanic	1										1						131	5	50	22	23	842
Caucasian/White	31	1	3	10	32	14	45	6	19	839	30	3	30	47	20	838	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	7	1	14	1	14	3	43	2	29	836	6	17	0	50	33	833	2258	3	29	31	37	836
No	27	1	4	9	33	13	48	4	15	841	27	4	33	48	15	841	12649	18	55	20	7	850
Current LEP																						
Yes	0										0						315	4	29	25	42	834
No	34	2	6	10	29	16	47	6	18	840	33	6	27	48	18	839	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	21	0	0	6	29	11	52	4	19	837	21	0	29	52	19	837	5206	8	45	28	20	842
No	13	2	15	4	31	5	38	2	15	845	12	17	25	42	17	844	9701	20	55	18	7	850
Migrant																						
Yes	1										1						7	29	57	14	0	852
No	33	1	3	10	30	16	48	6	18	839	32	3	28	50	19	838	14900	16	51	21	12	847
Gender																						
Female	13	1	8	3	23	6	46	3	23	839	13	8	23	46	23	839	7196	14	52	23	12	847
Male	21	1	5	7	33	10	48	3	14	840	20	5	30	50	15	840	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						804	6	38	34	22	841
No	34	2	6	10	29	16	47	6	18	840	33	6	27	48	18	839	14103	16	52	21	11	848
Gifted/talented program																						
Yes	0										0						592	63	35	1	0	865
No	34	2	6	10	29	16	47	6	18	840	33	6	27	48	18	839	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Southern Aroostook CSD
School: So Aroostook CSD School

QUESTIONNAIRE ITEMS	School										SAU					State						
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E		M		P		D		Mean Scaled Score		
	%	N	%	N	%	N	%	N	%	N	%	%	%	%	%	%	%	%	%	%		
How much homework do you do on school nights?																						
A. none	32	0	0	3	27	5	45	3	27	837	33	0	27	45	27	837	9	10	40	26	23	842
B. less than one hour	44	1	7	5	33	7	47	2	13	841	45	7	33	47	13	841	46	14	52	22	12	847
C. one to two hours	18	1	17	1	17	3	50	1	17	840	15	20	0	60	20	837	41	19	53	19	9	849
D. more than two hours	6	0	0	1	50	1	50	0	0	844	6	0	50	50	0	844	5	19	47	21	14	848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	21	0	0	0	0	6	86	1	14	835	21	0	0	86	14	835	29	19	54	19	9	849
B. They match some of what I have learned.	32	1	9	5	45	2	18	3	27	841	30	10	40	20	30	840	49	16	51	22	11	848
C. They match just a little of what I have learned.	21	1	14	0	0	5	71	1	14	837	21	14	0	71	14	837	18	13	51	23	13	846
D. There is no match.	26	0	0	5	56	3	33	1	11	843	27	0	56	33	11	843	5	9	39	29	23	842
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	9	1	33	1	33	1	33	0	0	852	6	50	0	50	0	849	23	28	51	13	8	853
B. good	47	0	0	7	44	9	56	0	0	843	48	0	44	56	0	843	54	15	55	21	9	848
C. fair	38	1	8	1	8	6	46	5	38	834	39	8	8	46	38	834	20	5	45	32	18	842
D. poor	6	0	0	1	50	0	0	1	50	838	6	0	50	0	50	838	3	2	35	34	29	838
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	56	1	5	6	32	9	47	3	16	842	55	6	28	50	17	841	27	15	49	22	14	846
B. about the same as my regular schoolwork	38	1	8	3	23	6	46	3	23	837	39	8	23	46	23	837	59	15	53	22	10	848
C. easier than my regular schoolwork	6	0	0	1	50	1	50	0	0	843	6	0	50	50	0	843	13	21	51	18	10	850
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	52	1	6	6	35	7	41	3	18	841	50	6	31	44	19	840	40	15	51	22	12	847
B. I tried about the same as I do on my regular schoolwork.	45	1	7	4	27	8	53	2	13	840	47	7	27	53	13	840	55	17	53	21	10	848
C. I did not try as hard on this test as I do on my regular schoolwork.	3	0	0	0	0	1	100	0	0	838	3	0	0	100	0	838	5	12	41	25	22	843
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	26	1	11	2	22	6	67	0	0	846	24	13	13	75	0	845	25	11	53	23	13	846
B. the course(s) described in A, plus chemistry	15	0	0	2	40	3	60	0	0	841	15	0	40	60	0	841	24	18	53	20	10	849
C. the course(s) described in B, plus physics	18	0	0	3	50	1	17	2	33	837	18	0	50	17	33	837	22	30	47	14	8	853
D. a life science and physical science class	41	1	7	3	21	6	43	4	29	836	42	7	21	43	29	836	29	8	52	27	14	844
How do you feel about the following statement? "My knowledge of science and technology will be useful to me as an adult."																						
A. strongly agree	18	0	0	1	17	4	67	1	17	839	15	0	0	80	20	836	27	23	51	17	9	851
B. agree	47	1	6	6	38	4	25	5	31	837	48	6	38	25	31	837	54	15	53	21	11	847
C. disagree	29	0	0	2	20	8	80	0	0	841	30	0	20	80	0	841	15	10	50	26	14	845
D. strongly disagree	6	1	50	1	50	0	0	0	0	858	6	50	50	0	0	858	4	7	39	30	24	841
How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."																						
A. strongly agree	21	0	0	4	57	2	29	1	14	843	18	0	50	33	17	840	25	24	52	15	8	851
B. agree	32	2	18	2	18	3	27	4	36	838	33	18	18	27	36	838	37	15	50	22	12	847
C. disagree	21	0	0	1	14	6	86	0	0	841	21	0	14	86	0	841	26	12	53	23	12	846
D. strongly disagree	26	0	0	3	33	5	56	1	11	839	27	0	33	56	11	839	12	8	48	28	15	844
Optional school/SAU question																						
A.	0										0											
B.	50	0	0	0	0	0	0	1	100	826	50	0	0	0	100	826						
C.	0										0											
D.	50	1	100	0	0	0	0	0	0	866	50	100	0	0	0	866						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
 N = Number